

SEC. 11. The highways to be made, opened, built, or improved by the good roads commission under the provisions of this act shall from time to time be designated by said commission and the board of county commissioners in joint session, but their location shall be made only after the submission of plans, specifications, profiles, and estimates by a competent and expert road engineer. In designating said highways, said joint meeting shall take into consideration the needs of the entire county and every part thereof, opening or improving those highways which, in their opinion, will be of benefit to the greatest possible number of people of the county. To the end that this may be properly done, said good roads commission is expressly authorized to employ an expert road engineer, at a compensation to be fixed by it and to be paid out of the general fund to be raised under this act, to advise it and the board of county commissioners in the preliminaries, to make plans and specifications for the work, and to have general oversight of the work, that it may be properly done: *Provided*, that the road commissioners are authorized, if proper arrangements can be made, to hire jointly with another county the services of the road engineer for such part of his time as he deems it necessary to give proper supervision to the work: and *Provided further*, that if the State furnishes to the counties engineering assistance and supervision of their road work, that the acceptance of such services from the State by the good roads commission shall be considered as fulfilling the requirements by the commissioners of this section. The highway engineer shall advise the good roads commissioners regarding the road work, supervise the making of plans and specifications for the work, and have general supervision of all road work, and he is expressly authorized to give instructions to the highway superintendent hereinafter provided for.

Selection of roads.

Plans and estimates.

Grounds for selection.

Road engineer.

Proviso: joint arrangements with another county.

Proviso: assistance from State.

Duty and authority of highway engineer.

SEC. 12. The highways in said county constructed or improved under this act shall have a right of way of not less than forty feet, except where the good roads commission deem it impractical to acquire such width, and in such cases the width shall be at least twenty-five feet, of which not less than twenty feet shall be free from logs, stumps, rocks, and drains, except where ledges of rock are encountered or where the width is considered impracticable by the engineer. The alignment of the road shall be as straight as practicable, and with no grade over four and one-half per cent, except as such grade is considered impracticable by the road engineer.

Specifications for highways.

SEC. 13. Before proceeding with the road work of Davidson County, the good roads commission shall elect by ballot a competent highway superintendent of the county of Davidson, and fix his compensation. The result of said election shall be declared and recorded in the proceedings of said good roads commission. The person so elected shall take and subscribe an oath for the

Highway superintendent.

Compensation.

Record of election.

Superintendent to qualify and give bond.